

2000nm High Power Polarization-maintaining Isolator

Features

Low insertion loss
High extinction ratio and isolation
Excellent environmental stability

Application

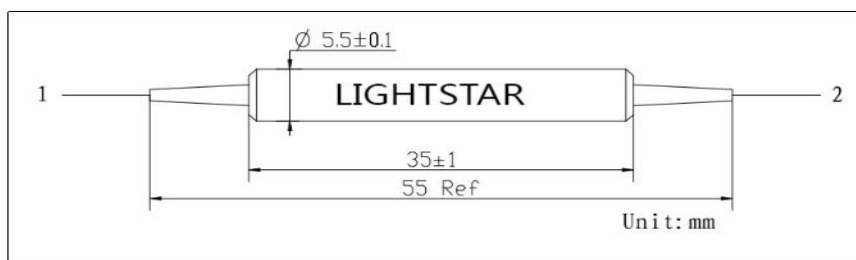
Fiber laser
Optical fiber amplifier
Optical fiber sensing

Specifications

Parameter	Unit	Value	
Rank		Single Stage	Dual Stage
Central wavelength(λ_c)	nm	2000	
Bandwidth	nm	± 50	
Isolation 23℃	dB	18	32
Insertion loss 23℃	dB	0.8	1.0
Maximum insertion loss -5℃-70℃	dB	1.2	1.4
Minimum extinction ratio(only for B type)	dB	18	
Minimum extinction ratio(only for F type)	dB	20	
Return loss(Input/Output)	dB	50/50	
Power(CW)	W	1, 3, 5 or Specify	
Maximum tensile load	N	5	
Fiber type		PM 1550 Fiber , PM 1950 Fiber or Specify	
Operating temperature	℃	-5 to +70	
Storage temperature	℃	-40 to +85	

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

HPMI-①①①①-②-③-④④-⑤⑤⑤-⑥-⑦-⑧

①①①①:Wavelength
2000=2000nm

②Core type
S=Single stage core
D=Double stage core

③:Working axis
B=Bi-axial operation
F=Fast axle cutoff

④④:Power
01=1W
05=5W
SS=Specify

⑤⑤⑤:Fiber type
001=PM1550
045=PM1950
SSS=Specify

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑦:Length
H=0.5m
1= 1.0m
S=Specify

⑧:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify